



Entrez PubMed



Nucleotide Protein Genome



Structure PMC Taxonomy Boo

Search Nucleotide

for

Go

Clear

Limits

Preview/Index

History

Clipboard

Details

Display

default

Show: 20

Send to

File

Get Subsequence

Featu

☐ 1: U60664. Neisseria gonorrh...[gi:1546000]

Links

LOCUS NGU60664 1116 bp DNA linear BCT 08-NOV-1996

DEFINITION Neisseria gonorrhoeae alpha-2,3-sialyltransferase gene, complete cds.

ACCESSION U60664

VERSION U60664.1 GI:1546000

KEYWORDS

SOURCE Neisseria gonorrhoeae

ORGANISM Neisseria gonorrhoeae

Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales; Neisseriaceae; Neisseria.

REFERENCE 1 (bases 1 to 1116)

AUTHORS Gilbert,M., Watson,D.C., Cunningham,A.M., Jennings,M.P., Young,N.M. and Wakarchuk,W.W.

TITLE Cloning of the lipooligosaccharide alpha-2,3-sialyltransferase from the bacterial pathogens Neisseria meningitidis and Neisseria gonorrhoeae

JOURNAL J. Biol. Chem. 271 (45), 28271-28276 (1996)

MEDLINE 97067044

PUBMED 8910446

REFERENCE 2 (bases 1 to 1116)

AUTHORS Gilbert,M., Michniewicz,J.J., Watson,D.C. and Wakarchuk,W.W.

TITLE Direct Submission

JOURNAL Submitted (13-JUN-1996) Institute for Biological Sciences, National Research Council of Canada, 100 Sussex Drive, Ottawa, Ontario K1A 0R6, Canada

FEATURES Location/Qualifiers

source

1..1116

/organism="Neisseria gonorrhoeae"

/mol_type="genomic DNA"

/strain="F62"

/db_xref="taxon:485"

CDS

1..1116

/note="The activity of the gene product was determined experimentally"

/codon_start=1

/transl_table=11

/product="alpha-2,3-sialyltransferase"

/protein_id="AAC44539.1"

/db_xref="GI:1546001"

/translation="MGLKKVCLTVLCLIVFCFGIFYTFDRVNQGERNAVSLKDKLFN
EEGKPVNLIFCYTILOMKVAERIMAQHPGERFYVVLMSNRNEKYDYFNFQIKDKAER
AYFFYLPYGLNKSFNFIPTMAELKVKSMMLPKVKRIYLALEKVSIAAFLSTYPDAEI
KTFDDGTNNLIRESSYLGGEFAVNGAIKRNFAARMVGDWSIAKTRNASDEHYTIFKGL
KNIMDDGRRKMTYLPFLDASELKAGDETTGGTVRILLGSPDKEMKEISEKAAKNFNIQY
VAPHPRQTYGLSGVTALNSPYVIEDYILREIKKNPHTRYEIYTFSSGAALTMKDFPNV
HVYALKPASLPEDYWLKPVYALFRQADIPILTFDDKN"

ORIGIN

```

1 atgggggttg aaaaagtctg tttgaccgtg ttgtgctga ttgtttttg cttcgggata
61 ttttatacgt ttgaccgggt aaatcagggg gaaaggaacg cggtttccct gctgaaggac

```

EXHIBIT I

```
121 aaactcttca atgaagaggg gaaacccgtc aatctgattt tctgctatac catattgcag
181 atgaaggtgg cagaaaggat tatggcgag catccggggg agcggtttta tgtggtgctg
241 atgtctgaaa acaggaatga aaaatacgat tattatttca atcagataaa ggataaggcg
301 gagcgggctg attttttcta cctgccctac ggtttgaaca aatcgtttaa ttccattccg
361 acgatggcgg agctgaaggt gaagtcgat ctgctgccga aggtcaagcg gatttatttg
421 gcgagtttgg aaaaagtcag tattgccgcc tttttgagca cttaccgga tgcggaaatc
481 aaaacctttg acgacggcac aaacaacctg atacgggaga gcagctattt gggcggcgag
541 tttgccgtaa acggggcgat taagcggaat tttgcccgaa tgatggtcgg ggattggagc
601 atcgccaaaa cccgcaatgc ttccgacgag cattacacga tattcaaggg ttgaaaaac
661 attatggatg acggccgccg caagatgact tacctgccgc tgttcgatgc gtccgaactg
721 aaggcggggg acgaaacggg cggcacggtg cggatacttt tgggttcgcc cgacaaagag
781 atgaaggaaa tttcgaaaaa ggcggcaaaa aatttcaaca tacaatatgt cgcgccgcat
841 ccccgccaga cctacgggct ttccggcgta accgcgttaa attcgcccta tgtcatcgaa
901 gactatattt tgcgcgaaat taagaaaaac ccgcatacga ggtatgaaat ttataccttt
961 ttcagcggtg cggcgttgac gatgaaggat tttcccaatg tgcacgttta cgcattgaaa
1021 ccggcttccc ttccggaaga ttattggctc aagcccgttt atgcgctgtt ccgtcaggcc
1081 gacattccga ttttgacatt tgacgataaa aattaa
```

//

[Disclaimer](#) | [Write to the Help Desk](#)
[NCBI](#) | [NLM](#) | [NIH](#)

Jan 29 2004 15:38:25